

Title (en)
TANTALUM SPUTTERING TARGET

Title (de)
TANTAL-SPUTTERTARGET

Title (fr)
CIBLE DE PULVERISATION CATHODIQUE AU TANTALE

Publication
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Application
EP 10175208 A 20041020

Priority
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Abstract (en)
A tantalum sputtering target, wherein when the sum of the overall crystalline orientation is 1 on a tantalum target surface, the area ratio of crystals having any orientation among (100), (111), (110) does not exceed 0.5. Thus, obtained is a tantalum sputtering target having superior deposition properties where the deposition speed is high, film evenness (uniformity) is superior, and generation of arcings or particles is reduced.

IPC 8 full level
C23C 14/34 (2006.01)

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• JP 2002518593 A 20020625
• US 6331233 B1 20011218 - TURNER STEPHEN P [US]

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EP 1681368 A1 20060719; EP 1681368 A4 20090128; EP 1681368 B1 20210630; CN 101857950 A 20101013; CN 101857950 B 20120808; CN 1871372 A 20061129; CN 1871372 B 20101117; EP 2253730 A2 20101124; EP 2253730 A3 20110119; EP 2253730 B1 20180502; JP 2009197332 A 20090903; JP 2013174019 A 20130905; JP 4593475 B2 20101208; JP 5578496 B2 20140827; JP WO2005045090 A1 20071129; KR 100760156 B1 20070918; KR 20060097044 A 20060913; TW 200523376 A 20050716; TW I301512 B 20081001; US 2007023281 A1 20070201; US 7892367 B2 20110222; WO 2005045090 A1 20050519

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